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Final

Meeting Minutes Transmittal/Approval

Unit Managers Meeting
304 Concretion Facility Closure Plan
740 Stevens Center, Room 2100
Richland, Washington

Meeting Held December 8, 1992

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304 Concretion Facility Unit Managers' Approval

Randall N. Krekel, RL, EAP/RPB, Regulatory Permit Branch, Unit Manager — Date: 1-12-93

Not Present

Daniel L. Duncan, EPA Region 10, RCRA Program Manager — Date:

Scott E. McKinney, Washington State Department of Ecology, Unit Manager — Date: 1-12-93

304 Concretion Facility, WHC Concurrence

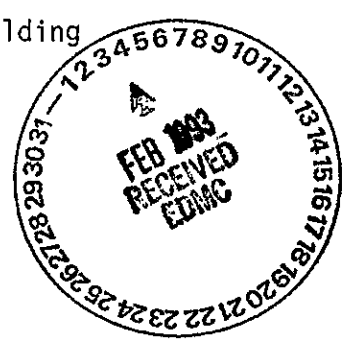
Fred Ruck III, WHC, Contractor Representative — Date: 1/12/93

Not Present

David J. Watson, WHC, Contractor Representative — Date:

Meeting Minutes are attached. Minutes are comprised of the following:

Attachment #1 - Summary of Discussion
Attachment #2 - Agenda for the Meeting
Attachment #3 - Attendance List
Attachment #4 - Commitments/Agreements Status List
Attachment #5 - Sample of Cement Adhering to Mixer in 304 Building



Attachment #1

Summary of Discussion

Unit Managers Meeting:
304 Concretion Facility Closure Plan

December 8, 1992

Sign Previous Meeting Minutes: The November, 1992 Unit Managers Meeting minutes were reviewed and signed.

Status of Action Items: Action Item 11-21-91:1, This action item was not discussed at this Unit Managers Meeting.

Action Item 11-21-91:2, WHC (F. Ruck) will provide an example of a Hazardous Waste Operating Permit to Ecology (McKinney) by the end of the month.

Action Item 9-17-92:5, the N-Reactor Shutdown schedule is undergoing review at RL.

Action Item 11-5-92:1, WHC (Ruck) will fax to Ecology (McKinney) the list of the CERCLA 300 Area Operable Units and their status.

Status of Concrete Mixer Removal: WHC provided Handout #1 (Attachment #5) on the chemical analysis performed on a sample of the cement which is adhered to the concrete mixer, and a comparison chemical analysis of two other cements used in the Grout Facility. All the cement samples were prepared by acid digestion and analyzed using ICP. Ecology will evaluate the analyses by the next Unit Managers Meeting.

If the cement adhering to the concrete mixer does not cause the mixer to designate as a dangerous waste, then it will disposed of as low-level radioactive waste in the Hanford Site Low Level Burial Grounds.

The oil from the mixer has not yet been sampled because WHC personnel required for this work have not been available.

RL/WHC will formally transmit the results of the analyses to Ecology.

Status of *Policy C-1 Soil Cleanup/Remediation for Hanford* Issue Resolution: Ecology would like to drop the issue resolution because Policy C-1 Soil Cleanup/Remediation Policy for Hanford (i.e., Soil Cleanup Policy, or SCP) is being rewritten. An abbreviated discussion on the contents of the new Soil Cleanup Policy followed.

The Unit Managers discussed the issue resolution process. RL initiated the issue resolution process by letter. In order to close the issue resolution process, Ecology stated that they will send a letter to RL stating they are revising the SCP. This is Ecology's action to close the resolution process.

Summary of Discussion

Unit Managers Meeting:
304 Concretion Facility Closure Plan

(continued)

Ecology (McKinney) stated that the time frame for issuing the revised SCP is not certain, but should be soon after the first of the new year. The revised SCP must be issued concurrent with or prior to the draft Hanford Facility Dangerous Waste Permit.

WHC (Ruck) stated that the Future Site Use Working Group recommendations will have an impact on whether to close the Aggregate Areas to residential or industrial standards. The Future Site Use Working Group recommended that the 100 Areas be closed to residential standards, the 200 Areas will be devoted to waste management (industrial standards).

New Business: RL/WHC asked Ecology (McKinney) when additional NODs will be issued. Ecology (McKinney) stated that additional NODs are likely to depend on the SCP, so there will not be any additional NODs until after the SCP is issued (will be after the first of the new year in any case).

The next Unit Manager Meeting was scheduled for January 12, 1993, in Richland, Washington.

Attachment #2

Agenda

Unit Managers Meeting:
304 Concretion Facility Closure Plan

December 8, 1992

- Sign Previous Meeting Minutes
- Status of any Action Items
- Status of the Concrete Mixer Removal and Analysis of the Sample from the Mixer
- Status of the *Policy C-1 Soil Cleanup/Remediation for Hanford* Issue Resolution
- Discuss any New Business

Attachment #3

Attendance
Unit Manager Meeting
304 Concretion Facility Closure Plan

December 8, 1992

Name (Please Print)	Organization	Role	Phone
Steve Lijek	Dames & Moore	CaSSC	(509) 376-0309
FRED RICK	WHC	RCRA Closures	(509) 376-9876
D. L. Banning	WHC	Closure lead	(509) 376-1057
R. N. Krekel	RL	Unit Manager	(509) 376-4264
E A Weakley	WHC	Engr	(509) 376-6122
JOHN A. REMALEY	WHC	MANAGER, FUELS SUPPLY	(509) 372-1462
Scott E. McKinney	Ecology	Unit Manager	(206) 459-6725
			( )
			( )
			( )
			( )
			( )
			( )
			( )
			( )
			( )
			( )
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Attachment #4

Commitments/Agreements Status List

Unit Managers Meeting
304 Concretion Facility Closure Plan
December 8, 1992

ACTION ITEM.	COMMITMENTS/AGREEMENTS STATUS LIST
11-21-91:1	RL/WHC will give the status of the site-wide Health & Safety Plan (HASP). Action: F. Ruck (WHC) OPEN
11-21-91:2	RL/WHC will give Ecology an example of a Hazardous Waste Operating Permit. Action: F. Ruck (WHC) OPEN
9-17-92:2	RL/WHC will investigate the analyses of the concrete mixer oil for PCBs and ensure that the oil is tested. RL/WHC will inform Ecology of the analyses for PCBs. Action: F. Ruck (WHC) CLOSED 11/5/92
9-17-92:5	RL/WHC will supply Ecology with an approved schedule of N-Reactor Shutdown activities which includes the future use of the 304 Concretion Facility. Action: D.L. Banning (WHC) OPEN
11-5-92:1	WHC will provide Ecology with a list of the 300 Area CERCLA Operable Units and their status. Action: F.A. Ruck (WHC) OPEN

Handout #1
304 Conc. facility
UMM 12-8-92
3 pgs. (1) 12-2-92

SAMPLE OF CEMENT ADHERING TO MIXER IN 3Q4 BUILDING

Constituent	ppm	wt%
Al		1.3
Ba	510	
Be	50	
Ca		31.0
Cu	1500	
Fe		2.0
La	200	
Mg	6900	
Mn	280	
Na	1000	
P	700	
Si		6.9
Sr	390	
Ti	1100	
U		1.2
Zr	1700	
F^-	50	
Cl^-	50	
$SO_4^=$	1010	

pH = 11.58

Masonry cement has the approximate chemical composition:

47% Limestone ($CaCO_3$)
3% Gypsum ($CaSO_4 \cdot 2H_2O$)
50% Portland Cement Type II:
- 43% $3CaO \cdot SiO_2$
- 30% $2CaO \cdot SiO_2$
- 13% $4CaO \cdot Al_2O_3 \cdot Fe_2O_3$
- 6% $3CaO \cdot Al_2O_3$
- 3% $CaSO_4$
- 3% MgO

<<< INORGANIC AI

<<< INORGANIC ANALYTICAL REPORT >>>

...IAL RESULTS

file: ICP-325-405)

93123312042

Portland Type I/II, Ashgrove Cement West

Cement Used in Grout Facility

Report Date: 5/20/92

ID==>	PC-7			
ALO#==>	92-05452			
PF==>	478			
[redacted]				
	SAMPLE			
Analyte ID	D.L. (ug/gm)	CONC. (ug/gm)	@	ADF
Ag	20			5
Al	100	15000		5
As	200			5
B	ERR	N/A		0
Ba	20	1000		5
Be	10			5
Bi	200			5
Ca	100	460000		5
Cd	10			5
Ce	200			5
Co	20			5
Cr	50	100	N	5
Cu	10	100		5
Dy	50			5
Eu	20			5
Fe	20	31000		5
Gd	ERR			0
K	2000	5000	N	5
La	70	100	N	5
Li	50			5
Mg	200	5600		5
Mn	10	430		5
Mo	50			5
Na	200	1600		5
Nd	70			5
Ni	70			5
P	200	900		5
Pb	100			5
Pd	400			5
Rh	200			5
Ru	100			5
Sb	ERR	N/A		0
Se	200			5
Si	100	100000		5
Sn	2000			5
Sr	10	400		5
Te	200			5
Th	2000			5
Ti	10	1200		5
Tl	1000			5
U	2000			5
V	70	80		5
W	200			5
Y	20			5
Zn	50	100		5
Zr	20	50	N	5

Form: GENERAL.RPT (03/12/92)

Report Date: 5/20/92

ID==>	PC 92-GTF			
ALO#==>	92-5453			
PF==>	492			
[redacted]				
	SAMPLE			
Analyte ID	D.L. (ug/gm)	CONC. (ug/gm)	@	ADF
Ag	20			5
Al	100	16000		5
As	200			5
B	50	N/A		5
Ba	20	1000		5
Be	10			5
Bi	200			5
Ca	100	450000		5
Cd	10			5
Ce	200			5
Co	20			5
Cr	50	100	N	5
Cu	10	80		5
Dy	50			5
Eu	20			5
Fe	20	31000		5
Gd	1000			5
K	2000			5
La	70	100	N	5
Li	50			5
Mg	200	6500		5
Mn	10	380		5
Mo	50			5
Na	200	2000		5
Nd	70			5
Ni	70			5
P	200	800		5
Pb	100			5
Pd	400			5
Rh	200			5
Ru	100			5
Sb	100	N/A		5
Se	200			5
Si	100	100000		5
Sn	2000			5
Sr	10	440		5
Te	200			5
Th	2000			5
Ti	10	1500		5
Tl	1000			5
U	2000			5
V	20	80		5
W	200			5
Y	20			5
Zn	50	100	N	5
Zr	20	60	N	5

Form: GENERAL.RPT (03/12/92)

Cement Adhering to Cement Mixer

ID==>	Cement Mixes			
ALO#==>	92-09178			
PF==>	497			
[redacted]				
	SAMPLE			
Analyte ID	D.L. (ug/gm)	CONC. (ug/gm)	@	ADF
Ag	50			10
Al	300	13000		10
As	400			10
B	1000	N/A		100
Ba	50	510		10
Be	20	50	N	10
Bi	500			10
Ca	200	310000		10
Cd	20			10
Ce	400			10
Co	50			10
Cr	100			10
Cu	20	1500		10
Dy	100			10
Eu	50			10
Fe	50	20000		10
Gd	1000			10
K	5000			10
La	100	200	N	10
Li	100			10
Mg	400	5900		10
Mn	20	280		10
Mo	100			10
Na	400	1000		10
Nd	100			10
Ni	100			10
P	500	700	N	10
Pb	300			10
Pd	700			10
Rh	500			10
Ru	200			10
Sb	2000			100
Se	400			10
Si	200	69000		10
Sn	4000			10
Sr	20	390		10
Te	500			10
Th	4000			10
Ti	20	1100		10
Tl	2000			10
U	5000			10
V	50			10
W	400			10
Y	50			10
Zn	100			10
Zr	50	1700		10

See "COVER" letter for discussion of terms, abbreviations

Distribution:

D.L. Banning	WHC	(H6-23)
A.V. Beard	RL	(A6-55)
R.M. Carosino	RL	(A4-52)
C.E. Clark	RL	(A5-15)
D.L. Duncan	EPA	(HW-106)
G.D. Forehand	WHC	(B2-35)
D.M. Korematsu-Olund	WHC	(H6-23)
R.N. Krekel	RL	(A5-15)
R.J. Landon	WHC	(H6-22)
P.J. Mackey	WHC	(B3-15)
S.E. McKinney	Ecology	
S.M. Price	WHC	(H6-23)
J.A. Remaize	WHC	(L6-18)
F.A. Ruck III	WHC	(H6-23)
D.J. Watson	WHC	(X0-41)
E.A. Weakley	WHC	(L6-26)

GSSC RCRA UMM File, A4-35 c/o S. Lijek

ADMINISTRATIVE RECORD (304 Concretion Facility) [Care of EDMC, WHC (H4-22)]

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Please send comments on distribution list to Steve Lijek (A4-35), 376-0309.